



TECHNICAL DATA SHEET

Standard grade

Product name	(E,Z)-4,7-Tridecadienyl acetate	Product code	EP00038
CAS No.	57981-60-9	Pheromone code	4E,7Z-13:OAc
Molecular formula	C15H26O2	Molecular weight	238.37

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (4E,7Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Phthorimaea operculella (potato tuber moth)
Order / family	Lepidoptera: Gelechiidae
Crops	Potato; tobacco; Solanaceae crops
Reported use	Monitoring, attract-and-kill
Reported blend components	(E,Z,Z)-4,7,10-tridecatrienyl acetate; (E,Z,Z)-4,7,10-tridecatrien-1-yl acetate
Reported blend ratio	(E,Z,Z)-4,7,10-tridecatrienyl acetate: PTM1:PTM2 = 8:1-4:1 (E,Z,Z)-4,7,10-tridecatrien-1-yl acetate: 1:1
Trap type	pheromone-baited water traps
Key reference	doi:10.1016/0024-3205(75)90524-x; doi:10.3389/fphys.2020.618983